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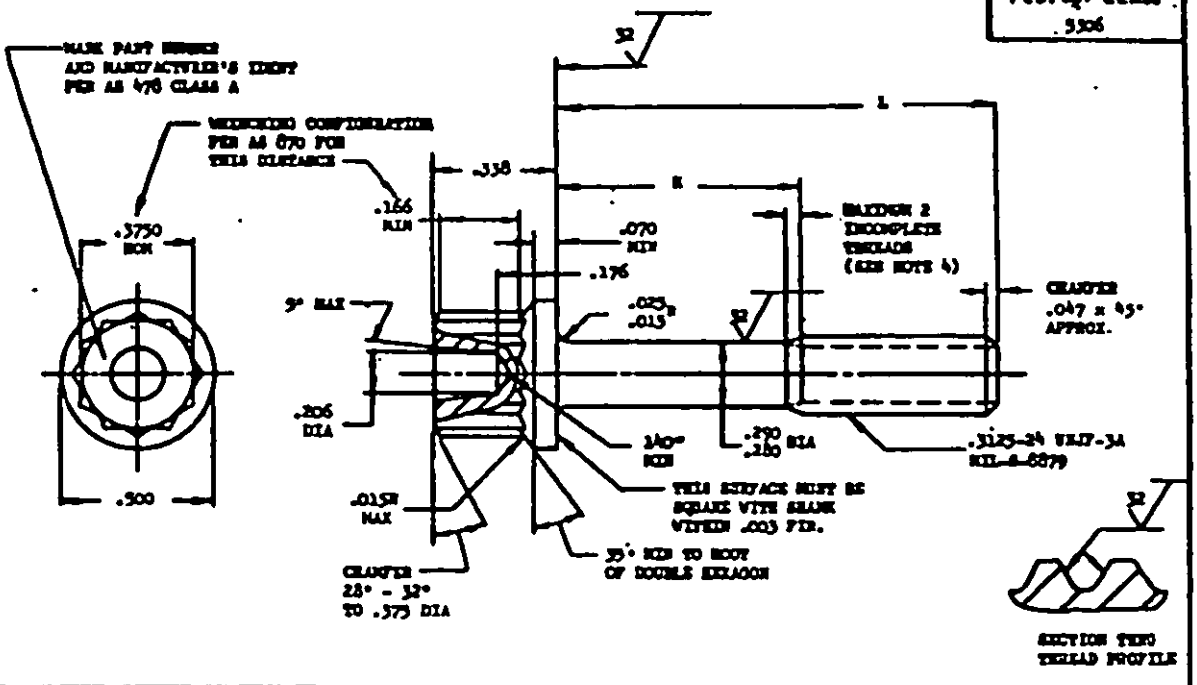
MS9916 (ASG)

FED. SUP CLASS 5306



PART NO.	L	K	APPROX. WEIGHT LB/100
MS9916-04	.500	.088- .108	2.08
MS9916-05	.562	.088- .108	2.19
MS9916-06	.625	.088- .108	2.30
MS9916-07	.688	.088- .108	2.42
MS9916-08	.750	.088- .108	2.53
MS9916-09	.812	.088- .108	2.64
MS9916-10	.875	.088- .108	2.75
MS9916-11	.938	.088- .108	2.87
MS9916-12	1.000	.088- .125	2.98
MS9916-13	1.062	.128- .188	3.09
MS9916-14	1.125	.190- .250	3.20
MS9916-15	1.188	.252- .312	3.32
MS9916-16	1.250	.315- .375	3.43
MS9916-17	1.312	.378- .438	3.54
MS9916-18	1.375	.440- .500	3.65
MS9916-19	1.438	.502- .562	3.77
MS9916-20	1.500	.565- .625	3.88
MS9916-21	1.562	.628- .688	3.99
MS9916-22	1.625	.690- .750	4.11
MS9916-23	1.688	.752- .812	4.22
MS9916-24	1.750	.815- .875	4.33
MS9916-25	1.812	.878- .938	4.44
MS9916-26	1.875	.940-1.000	4.56
MS9916-27	1.938	1.002-1.062	4.67
MS9916-28	2.000	1.065-1.125	4.78
MS9916-29	2.125	1.190-1.250	5.01
MS9916-30	2.250	1.315-1.375	5.23
MS9916-31	2.375	1.440-1.500	5.46
MS9916-32	2.500	1.565-1.625	5.69
MS9916-33	2.625	1.690-1.750	5.91
MS9916-34	2.750	1.815-1.875	6.14
MS9916-35	2.875	1.940-2.000	6.36
MS9916-36	3.000	2.065-2.125	6.59
MS9916-37	3.125	2.190-2.250	6.81
MS9916-38	3.250	2.315-2.375	7.04
MS9916-39	3.375	2.440-2.500	7.27
MS9916-40	3.500	2.565-2.625	7.49
MS9916-41	3.625	2.690-2.750	7.72
MS9916-42	3.750	2.815-2.875	7.94
MS9916-43	3.875	2.940-3.000	8.17
MS9916-44	4.000	3.065-3.125	8.40
MS9916-45	4.125	3.190-3.250	8.62
MS9916-46	4.250	3.315-3.375	8.85
MS9916-47	4.375	3.440-3.500	9.07
MS9916-48	4.500	3.565-3.625	9.30
MS9916-49	4.625	3.690-3.750	9.52
MS9916-50	4.750	3.815-3.875	9.75
MS9916-51	4.875	3.940-4.000	9.98
MS9916-52	5.000	4.065-4.125	10.20
MS9916-53	5.125	4.190-4.250	10.43
MS9916-54	5.250	4.315-4.375	10.65
MS9916-55	5.375	4.440-4.500	10.88
MS9916-56	5.500	4.565-4.625	11.10
MS9916-57	5.625	4.690-4.750	11.33
MS9916-58	5.750	4.815-4.875	11.56
MS9916-59	5.875	4.940-5.000	11.78
MS9916-60	6.000	5.065-5.125	12.01

1. SHANK SHALL BE STRAIGHT WITHIN .003 PER INCH OF BOLT LENGTH.
2. THE CONCENTRICITY OF THREAD PD IN RELATION TO THE SHANK SHALL BE WITHIN .006 FIR.
3. THE CONCENTRICITY OF THE SHANK IN RELATION TO THE WASHER FACE DIAMETER AND DOUBLE HEXAGON OD SHALL BE WITHIN .008 FIR.
4. INCOMPLETE THREADS NOT TO ENTER FILLET.
5. MATERIAL: STEEL AMS 6322.
6. HARDNESS: ROCKWELL C24-32.
7. FINISH: CADMIUM PLATE AMS 2400. DIMENSIONS SPECIFIED ARE AFTER PLATING.
8. MANUFACTURING SPECIFICATION: AMS 7432 EXCEPT HEAD SHALL BE UPSET.
9. HEAD TO SHANK FILLET SHALL BE COLD WORKED.
10. MAGNETIC PARTICLE INSPECTION PER AMS 2640 AFTER PLATING.
11. SURFACE TEXTURE: USAS B46.1-1962. UNLESS OTHERWISE SPECIFIED, SURFACES TO BE 125 MICROINCHES EXCEPT UPSET HEAD.
12. BREAK SHARP EDGES .003-.015 UNLESS OTHERWISE SPECIFIED.
13. DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: LINEAR DIMENSIONS ±.010, ANGULAR DIMENSIONS ±5°.
14. DO NOT USE UNASSIGNED PART NUMBERS.

AS & AMS ARE SOCIETY OF AUTOMOTIVE ENGINEERS, INC. PUBLICATIONS.
THIS STANDARD WAS DEVELOPED COOPERATIVELY WITH THE MILITARY SERVICES BY THE SAE AEROSPACE PART STANDARDS DIVISION.

APPROVED 15 Aug 69 REVISED

F.S.C. USAF - 11 Other Cust Navy - 45	TITLE BOLT, MACHINE - DOUBLE HEXAGON EXTENDED WASHER HEAD, PD SHANK, STEEL AMS 6322, CADMIUM PLATED, .3125-24 UNJF-3A	MILITARY STANDARD MS9916 (ASG)
PROCUREMENT SPECIFICATION NONE	SUPERSEDES:	SHEET 1 OF 1

DD FORM 672-1 (Limited coordination)

This military standard is approved by the Department of the Air Force and the Bureau of Naval Weapons and is mandatory for use by those activities. All other military activities are required to apply this standard where suitable.

Review activities: DLA - 82, 85